

# Work Order ID 95160

January-02-13 2:24:25 PM

**\*95160\***

Page 1

Item ID: D3186-2M

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: SPACEPOD DOOR RH

Start Date: 1/02/13 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 1/25/13 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: AL Date: 13-01-7

Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3186	Rev E								
100		0.00							
<b>*100*</b>	PURCHASING								
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>18720</u>								
	Description: D3186-2M Door								
	Supplier: Delastek								
	Conformity Certificate and Process sheet required								
	Ship 3 items from Previous steps								
110		0.00							
<b>*110*</b>	Receive & Inspect for Damage & Mat'l Certs								
Packaging	Memo	0.00							
Packaging	Ensure a copy of certification of conformity and process sheet from Delastek is attached.								

CL 13/01/15 ①

13/3/13

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>						
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>			
Doc/Data <input type="checkbox"/>												
Equip/Tooling <input type="checkbox"/>												
Operator <input type="checkbox"/>												
Material <input type="checkbox"/>												
Setup <input type="checkbox"/>												
Other <input type="checkbox"/>												
Process <input type="checkbox"/>												
Supplier <input type="checkbox"/>												
Training <input type="checkbox"/>												
Unapproved <input type="checkbox"/>												
<b>FAULT CATEGORY</b>												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	

# Work Order ID 95160

\*95160\*

Page 2

January-02-13 2:24:25 PM

Item ID: D3186-2M

Accept

\*N900040100\*

Setup Start \*NS1\*

Revision ID:

Stop \*NS2\*

Item Name: SPACEPOD DOOR RH

Start Date: 1/02/13 Start Qty: 1.00 \*1\*

Cust Item ID:

Required Date: 1/25/13 Req'd Qty: 1.00 \*1\*

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start \*NR1\*

QC: Date: SPC (Y/N): Date:

Stop \*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120 QC6- Inspect dimensions to drawing 0.00

\*120\*

QC

Memo

Quality Control

Check for void spot and pins.

DAS  
16  
9-89 13/06/23

130 Identify as per dwg & Stock Location: w/o 95112 0.00

\*130\*

Packaging

Memo

Packaging

13-08-29

140 QC21- Final Inspection - Work Order Release 0.00

\*140\*

QC

Memo

Quality Control

0.00

13/9/3

13-08-29

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>						
<b>Root Cause</b>	<b>Date</b>	<b>Step</b>	<b>Qty</b>	<b>Description of work order update or Non-conformance</b>	<b>Initial Chief Eng</b>	<b>Action Description</b>	<b>Sign &amp; Date</b>	<b>Verification</b>	<b>QC Inspector</b>			
Doc/Data <input type="checkbox"/>												
Equip/Tooling <input type="checkbox"/>												
Operator <input type="checkbox"/>												
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Other <input type="checkbox"/>												
Process <input type="checkbox"/>												
Supplier <input type="checkbox"/>												
Training <input type="checkbox"/>												
Unapproved <input type="checkbox"/>												
<b>FAULT CATEGORY</b>												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  _____ _____ _____		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other _____ _____ _____	

# Picklist Print

January-02-13 2:24:25 PM

Page 1

Work Order ID: 95160

Parent Item: D3186-2M

Start Date: 1/02/13

Required Date: 1/25/13

Parent Item Name: SPACEPOD DOOR RH

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A New Issue 06-12-04 cc  
IPP rev D rv D dwg 07.03.07 cc

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3186-2P Spacepod Door		Purchased	No			110	Each	0.0000	1	1			

1/3/3/13 (1)

NCR: Yes / No

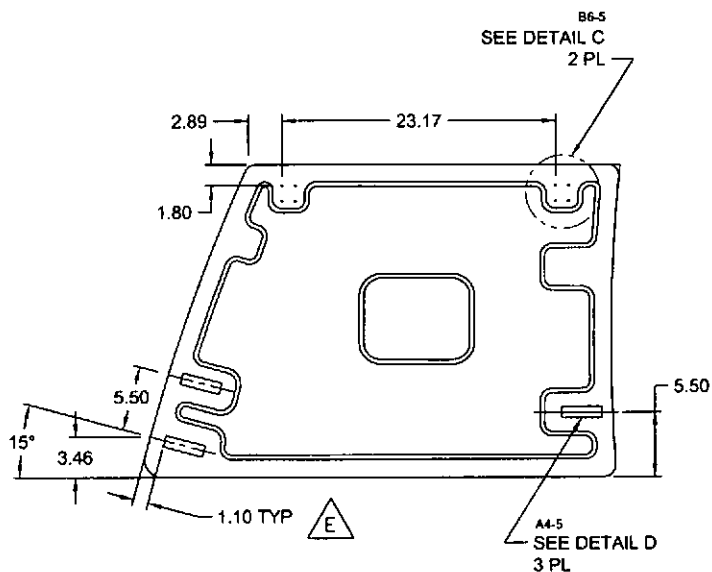
**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

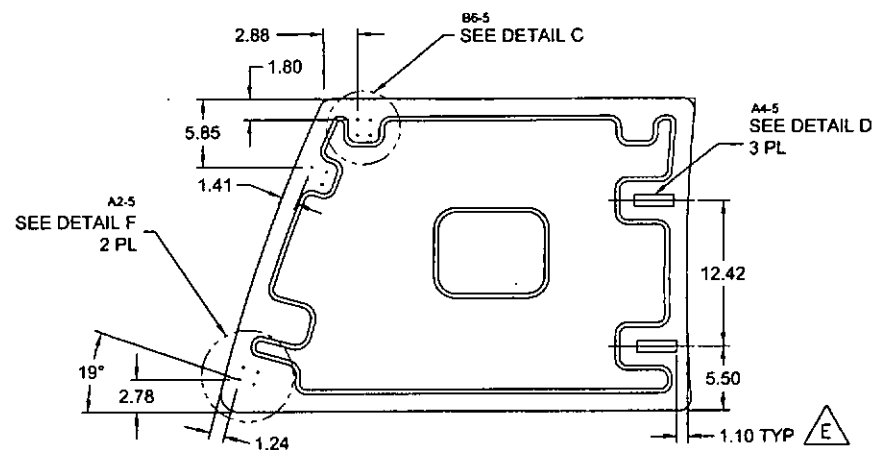
QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____  Part No. _____  NCR No. _____				<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
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Equip/Tooling <input type="checkbox"/>											
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Setup <input type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other	



**D3186-2 SPACEPOD DOOR, RH**  
MAKE FROM D3186-2M



**D3186-4 SPACEPOD DOOR, RH**  
MAKE FROM D3186-2M

**RELEASED**  
2008-09-09

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

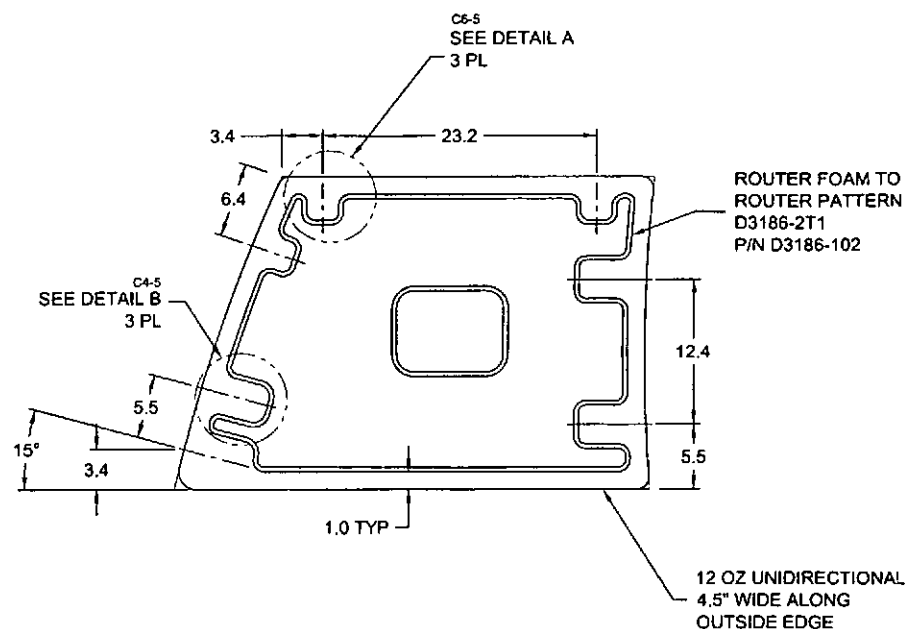
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	AL	DRAWING NO.	REV. E
MFG. APPR.	AL	D3186	SHEET 2 OF 5
APPROVED	AL	TITLE	SCALE
DE APPR.	AL	SPACEPOD DOOR	NTS
DATE	09.07.08	COPYRIGHT © 2003 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMERCE OTHER THAN THAT FOR WHICH IT WAS ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD	





# MAIN LAYUP

9 OZ SATIN (9 SQ FEET)  
9 OZ SATIN (9 SQ FEET)  
FOAM  
9 OZ SATIN (9 SQ FEET)  
12 OZ UNIDIRECTIONAL  
9 OZ SATIN (9 SQ FEET)  
RESIN (35-45% BY WEIGHT)  
PEEL PLY



## NOTES:

### 1) MATERIAL:

RESIN = EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40  
FOAM = 3/8", A500 CORE-CELL OR DIVINYCELL OR AIREX OR KLEGECELL  
FIBRE = 9.7 OZ 7781 WEAVE "S" GLASS ("9 OZ SATIN")  
12 OZ UNIDIRECTIONAL FIBERGLASS ("12 OZ UNIDIRECTIONAL")  
LAMINATE PER DART QSI 006 4.0  
LAMINATION SCHEDULE PER THIS DRAWING

2) FINISH: FINISH INSIDE/OUTSIDE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX




6) IDENTIFICATION: NONE

7) WEIGHT: 7.0 lbs

8) USE MOLD DT8006 FOR DOOR LAYUP

## D3186-2M SPACEPOD DOOR AS MOLDED

**RELEASED**  
2009-09-09

DESIGN	DS	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	JP	DRAWING NO.	REV. E
MFG. APPR.		D3186	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		SPACEPOD DOOR	NTS
DATE	09.07.08	COPYRIGHT © 2003 BY DART AEROSPACE LTD	
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DELASTEK Inc.  
2699 5e Avenue  
Local 14, C.P. 10100  
Grand-Mère, Québec G9T 5K7  
Canada  
Tel.: (819) 533-5788  
Fax: (819) 533-3494

# PACKING SLIP CERTIFICATE OF COMPLIANCE

Invoice No.	47392
Customer No.	DART US

Bill To

DART AEROSPACE LTD  
1270, Aberdeen Street  
Hawksbury, Ontario K6A 1K7  
Canada

Telephone : 613-632-5200  
Contact : Linda Lacelle

Ship To

DART AEROSPACE LTD  
1270, Aberdeen Street  
Hawksbury, Ontario K6A 1K7  
Canada

Telephone : 613-632-5200  
Contact : Linda Lacelle

Ship Date	Order Date	Our SO #	Ordered by	Your PO#	Terms
12-03-2013	22-01-2013	22731	Brigitte Golden	18720	Net 30 days USA
Ship Via	F.O.B.	Salesperson	GST/PST		
FEDEX P Collect	Point de départ	Mathieu Doucet, ext.690			
Order Qty	B.O. Qty	Current Ship.	Item number	Description	
1	0	1	DKC134-0058	Line 1 D31861P Spacepod Door LH B95065 Dwg. Rév.: E Serial # B95065 Lot # 48897	U of M: Chaque
1	0	1	DKC134-0060	Line 3 N° D3186-2M Spacepod Door RH B95160 Dwg. D3186 Rév.: E Serial # B95160 Lot # 48898	U of M: Chaque

It is hereby certified that all materials, process and finished items were controlled and tested in accordance with the requirements of the purchase order and applicable specifications. All such records are on file at our plant and available for review upon request

Accepted by:

Quality department

AQ-357

☒ Cust. ☐ Adm. ☐ Quality ☐ Ship.

2  
2

2  
2

Date: Mercredi, 2013-01-30 10:29:05  
Utilisateur: Mario Chantal

## Feuille de Procédé

4 / 28 Jan

Client	: DART US DART AEROSPACE	Nom Dessin	: SPACEPOD DOOR RH
Numéro Job	: 48898	Numéro Article	: DKC134-0060
Numéro	: 3769	Numéro Dessin	: -
Numéro B.A.	:	Projet Numéro	: DK-362
Cette fois	: 2013-01-30 No. :	Révision dessin	:
Prsht Rev.	: NC	Matériel	: 7781 & 411-350
Prem. fois	: - - Type :	Date Dûe	: 2013-02-25
Job précédente	: 47641	Qté:	1 Ud UNITE

Écrit par : MC 4270  
Vérifié & Approuvé par : \_\_\_\_\_  
Commentaires : N° de dessin: D3186-2M rev. E

B 95160

E.O.: N/A

Feuille de Procédé Rév.: 03 AMB0349 remplacé par  
AMB0511 (réf. RFC #226)

Formulaire d'inspection: N/A

Produit additionnel

Numéro Job:



# Séq.:	Machine ou	Description :
---------	------------	---------------

1.0	AAC1616	N° 83634, Frekote Loctite Wolo
-----	---------	--------------------------------

Comment Qty.: 0.050 UNITE(s)/Unit Total : 0.050 UNITE(s)  
N° 83634, Frekote Loctite Wolo N° de Lot: 1-37420-1

2.0	PRÉPARATION	Préparation du moule
-----	-------------	----------------------



Comment Setup: 0.00Hrs/ Run: 5.0000Min Total Run : 0.0833Hrs

Faire la préparation du moule N° DT 8006 selon IG 0009.

Date: 15/02/13 Sceau:

3.0	AAC1885	Tissu à délaminer Release ply B
-----	---------	---------------------------------

Comment Qty.: 3.28 VERGE(s)/Unit Total : 3.28 VERGE(s)  
Tissu à délaminer Release ply B # de Lot: N/A

4.0	AAC1887	Wrighton 5200 Bleu P3
-----	---------	-----------------------

Comment Qty.: 3.59 VERGE(s)/Unit Total : 3.59 VERGE(s)  
Wrighton 5200 Bleu P3 # de Lot: N/A

5.0	AC0885	Feutre de drainage N° Airweave N 10
-----	--------	-------------------------------------

Comment Qty.: 3.00 VERGE(s)/Unit Total : 3.00 VERGE(s)

5

1

2













3

4

5

Date: Mercredi, 2013-01-30 10:29:05  
Utilisateur: Mario Chantal

## Feuille de Procédé










Client:	DART US DART AEROSPACE		Nom Dessin:	SPACEPOD DOOR RH
Numéro Job:	48898		Numéro	DKC134-0060
Numéro Job:				
# Séq.:	Machine ou Opération:	Description :		
14.0	LAMINAGE	Faire le laminage		
				
Comment	Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs			
	À l'aide d'un rouleau de 2" dia. appliquer une couche de résine sur le moule et ensuite imbiber un pli de tissu 9.7 oz.			
	Date: 15/02/13	Sceau:		
15.0	BAGGING	Faire le bagging sur la pièce		
				
Comment	Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs			
	Faire la poche à vide selon IG 0012.			
	Laisser sécher pendant 4 heures minimum.			
	Heure début Curing: 9:15	Heure Fin Curing: 8:00		
	Date: 15/02/13	sceau:		
16.0	AMB0286	Catalyst N° DDM-9		
Comment	Qty.: 0.0120 GALLON(s)/Unit Total: 0.0120 GALLON(s)			
	Catalyst N° DDM-9 N° de Lot: 1-27829-1			
17.0	AMB0212	Résine (411B7530) 411-350 promo. 75min.		
Comment	Qty.: 0.300 LITRE(s)/Unit Total: 0.300 LITRE(s)			
	Résine (411B7530) 411-350 promo. 75min N° de Lot: 1-39738-1			
18.0	PREP-GENERAL	Préparation du matériel		
				
Comment	Setup: 0.00Hrs/ Run: 5.0000Min Total Run : 0.0833Hrs			
	Faire la préparation de la résine selon les quantités requises, mix ratio 1.5% catalyst par quantité de résine et imbiber toutes les surfaces du Foam Core selon IG0105.			
	Date: 19/02/13	Sceau:		
19.0	DKC134-0057	Foam Core N° D3186-102 ( Porte D3186-2 )		
Comment	Qty.: 1 UNITE(s)/Unit Total: 1 UNITE(s)			
	Foam Core N° D3186-102 ( Porte D3186-2 ) N° de Job: 48825			





Date: Mercredi, 2013-01-30 10:29:05  
Utilisateur: Mario Chantal

## Feuille de Procédé

















Client:	DART US DART AEROSPACE		Nom Dessin:	SPACEPOD DOOR RH
Numéro Job:	48898		Numéro	DKC134-0060
Numéro Job:				
# Séq.:	Machine ou Opération:	Description :		
20.0	AAC1611	Polybond B46F		
Comment	Qty.: 0.090 KIT(s)/Unit Total : 0.090 KIT(s) Polybond B46F N° de Lot: <u>1-22934-1</u>			
21.0	ASSEMBLAGE	Assemblage mécanique		
				
Comment	Setup: 0.00Hrs/ Run: 15.0000Min Total Run : 0.2500Hrs  Retirez le bagging.  Pour aider au positionnement de 13 oz., positionner le gabarit de trimage dans le moule et tracer son contour sur le 9 oz. Retirez le gabarit de trimage.  Positionner le foam core à l'aide du gabarit prévu à cet effet et tracer le contour sur le 9 oz. ( Vous devriez maintenant avoir 2 contours de tracé sur le 9 oz. )  Appliquer une couche de Polybond B64F à l'endos du Foam Core N° DKC134-0057 et positionner le foam Core sur le moule selon le dessin, et selon les lignes de positionnement prévues à cet effet.  Date: <u>21/02/13</u> Sceau:  			
22.0	BAGGING	Faire le bagging sur la pièce		
				
Comment	Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs  Faire la poche à vide selon IG 0012.  Retirer le bagging avant la fin de la polymérisation (entre 1h et 1h30) afin d'enlever le surplus de Polybond.  Heure début Curing: <u>12:30</u> Heure Fin Curing: <u>2:00</u>  Date: <u>21/02/13</u> Sceau:  			
23.0	AMB0286	Catalyst N° DDM-9		
Comment	Qty.: 0.0400 GALLON(s)/Unit Total : 0.0400 GALLON(s) Catalyst N° DDM-9 N° de Lot: <u>1-27829-1</u>			
24.0	AMB0212	Résine (411B7530) 411-350 promo. 75min.		
Comment	Qty.: 1.000 LITRE(s)/Unit Total : 1.000 LITRE(s) Résine (411B7530) 411-350 promo. 75min N° de Lot: <u>1-39738-1</u>			



Date: Mercredi, 2013-01-30 10:29:05

Utilisateur: Mario Chantal

## Feuille de Procédé

Client:	DART US DART AEROSPACE		Nom Dessin:	SPACEPOD DOOR RH
Numéro Job:	48898		Numéro	DKC134-0060
Numéro Job:				
# Séq.:	Machine ou Opération:	Description :		
25.0	PREP-GENERAL	Préparation du matériel		
				
Comment	Setup: 0.00Hrs/ Run: 5.0000Min Total Run : 0.0833Hrs			
	Faire la préparation de la résine selon les quantités requises, mix ratio 1.5% catalyst par quantité de résine.			
	Date: <u>25/09/13</u> Sceau:  			
26.0	LAMINAGE	Faire le laminage		
				
Comment	Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs			
	Faire le laminage d'un pli de 9.7 oz.			
	Faire le laminage d'un pli de 13 oz. tout le tour de la porte.			
	Faire le laminage d'un pli de 9.7 oz.			
	Date: <u>25/02/13</u> Sceau:  			
27.0	BAGGING	Faire le bagging sur la pièce		
				
Comment	Setup: 0.00Hrs/ Run: 10.0000Min Total Run : 0.1667Hrs			
	Faire la poche à vide selon IG 0012.			
	Laissez Sécher 4 heures minimum			
	Heure début Curing: <u>3:00</u> Heure Fin Curing: <u>8:00</u>			
	Date: <u>25/02/13</u> sceau:  			
28.0	DÉMOULAGE	Démoulage de la pièce		
				
Comment	Setup: 0.00Hrs/ Run: 5.0000Min Total Run : 0.0833Hrs			
	Démouler la pièce en faisant bien attention aux coins & Edges.			
	Sabler la surfaces de la pièce qui était en contact avec le moule afin d'éliminer le fini lisse de celui-ci.			
	Date: <u>7/03/13</u> Sceau: 			










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Date: Mercredi, 2013-01-30 10:29:05

Utilisateur: Mario Chantal

## Feuille de Procédé

Client:	DART US DART AEROSPACE	Nom Dessin:	SPACEPOD DOOR RH
Numéro Job:	48898	Numéro	DKC134-0060
Numéro Job:			
# Séq.:	Machine ou Opération:	Description :	
29.0	TRIMAGE	Trimage	
			
Comment	Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs		
	Trimer le contour de la pièce à l'aide du gabarit de trimage prévu à cet effet.		
	Date: <u>07/03/13</u> Sceau: 		
30.0	AAC1021	Dupont Primer N° 7704S	
Comment	Qty.: 0.1400 UNITE(s)/Unit Total : 0.1400 UNITE(s)		
	Dupont Primer N° 7704S N° de Lot: <u>1-36423-1</u>		
31.0	AAC1101	N° 7775S, Dupont Activator - Reducer Chromabase	
Comment	Qty.: 0.0283 UNITE(s)/Unit Total : 0.0283 UNITE(s)		
	N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot: <u>1-38821-1</u>		
32.0	PRIMER	Application primer	
			
Comment	Setup: 0.00Hrs/ Run: 30.0000Min Total Run : 0.5000Hrs		
	Appliquer une couche de primer selon IG 0008.		
	Date: <u>07/03/13</u> Sceau: <u>4301</u> # de fiche de mélange: <u>N/A</u> 1 <sup>re</sup> cote et 2 <sup>e</sup> cote		
33.0	AAC1492	N° P-15-3, Adtech Micro Ultra Filler	
Comment	Qty.: 0.010 GALLON(s)/Unit Total : 0.010 GALLON(s)		
	N° P-15-3, Adtech Micro Ultra Filler N° de Lot: <u>1-89276-2</u>		
34.0	FINITION	Finition Générale	
			
Comment	Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs		
	Faire les réparations de finition si nécessaire à l'aide du "Filler" P15-3.		
	Faire un léger sablage (Grit 220) de toutes les surfaces.		
	Date: <u>9/08/13</u> sceau: 		
35.0	AAC1021	Dupont Primer N° 7704S	
Comment	Qty.: 0.1400 UNITE(s)/Unit Total : 0.1400 UNITE(s)		
	Dupont Primer N° 7704S N° de Lot: <u>1-38821-1</u> <u>4235</u> <u>1-36423-1</u>		









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1. 2. 3.

Date: Mercredi, 2013-01-30 10:29:05

Utilisateur: Mario Chantal

## Feuille de Procédé

Client:	DART US DART AEROSPACE		Nom Dessin:	SPACEPOD DOOR RH
Numéro Job:	48898		Numéro	DKC134-0060
Numéro Job:				
# Séq.:	Machine ou Opération:	Description :		
36.0	AAC1101	N° 7775S, Dupont Activator - Reducer Chromabase		
Comment	Qty.: 0.0300 UNITE(s)/Unit Total: 0.0300 UNITE(s) N° 7775S, Dupont Activator - Reducer Chromabase N° de Lot: 1-38821-1			
37.0	PRIMER	Application primer		
				
Comment	Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs  Appliquer une couche de primer selon IG 0008. Date: 09/03/13 Sceau: 4232A # de Fiche de mélange: N/A			
38.0	INSPEC FINAL	Inspection finale		
				
Comment	Setup: 0.00Hrs/ Run: 5.0000Min Total Run : 0.0833Hrs  Faire l'inspection finale par la qualité selon le dessin. Date: 11 mai 13 Sceau: 			
39.0	EMBAL / ENTREPO	Emballage & Entreposage		
				
Comment	Setup: 0.00Hrs/ Run: 0.0000Min Total Run : 0.0000Hrs  Emballer et entreposer selon IG 0057. Date: 12-3-13 Sceau: 